

July 22, 2010

A & G Azevedo Dairy
Aldevino & Guilhermina Azevedo
536 N Prairie Flower Road
Turlock, CA 95340
(209) 669-8365
margaze@sbcglobal.net

VIA EMAIL AND U.S. MAIL

State Water Resources Control Board
Office of Chief Counsel
Jeannette L. Bashaw, Legal Analyst
P.O. Box 100
Sacramento, CA 95812-0100

RE: GROUNDWATER MONITORING DIRECTIVE, ISSUED PURSUANT TO
CALIFORNIA WATER CODE SECTION 13267, A & G AZEVEDO DAIRY, WDIID
5B50NC00273, 536 N PRAIRIES FLOWER ROAD, TURLOCK, STANISLAUS
COUNTY

To Whom It May Concern:

We received your letter, dated June 22, 2010 ordering the installation of the Monitoring Well.

We are requesting the Board rescind this action.

The reasons we are requesting rescinding the Directive are:

- 1) We are working diligently to protect the water quality within our area by being compliant with the Order.
- 2) We have submitted the reports each year.
- 3) We have completed the Nutrient Management Plan. We had hired a company to complete the NMP prior to the date of the Board letter.

We feel aggrieved by this action because:

- 1) The financial investment for the monitoring well(s) will place us in further financial jeopardy.

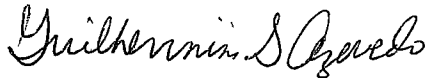
- 2) We have NOT discharged and should NOT be under suspicion of discharging our dairy waste unlawfully.
- 3) The 100 points added to table should not have been added. We completed the NMP prior to the two-year deadline.
- 4) We are working to meet the requirements of the order and expect to be in full compliance prior to the 5-year period the Board has allotted.

We are a family operation. During these trying economic times, we are struggling to make ends meet from day to day. The reporting is an overwhelming task for our facility to undertake. As we gain knowledge and experience, we are improving each year on our reporting and are submitting the reports each year.

We are requesting the Board rescind this action.

Please contact me with any questions (209) 613-9706 or email margaze@sbcglobal.net.

Sincerely,



Guilhermina S. Azevedo
Owner

P.S. Please correct the address to reflect 536 N Prairie Flower Road and not 536 N Prairies Flower Road.

Enclosure (4)

July 22, 2010

A & G Azevedo Dairy
Aldevino & Guilhermina Azevedo
536 N Prairie Flower Road
Turlock, CA 95340
(209) 669-8365
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VIA EMAIL & U.S. MAIL

State Water Resources Control Board
Office of Chief Counsel
Jeannette L. Bashaw, Legal Analyst
P.O. Box 100
Sacramento, CA 95812-0100

To Whom It May Concern:

We request a stay of action regarding the Directive sent to us dated on June 22, 2010.

RE: GROUNDWATER MONITORING DIRECTIVE, ISSUED PURSUANT TO
CALIFORNIA WATER CODE SECTION 13267, A & G AZEVEDO DAIRY, WDID
5B50NC00273, 536 N PRAIRIES FLOWER ROAD, TURLOCK, STANISLAUS
COUNTY

We are requesting the stay pending the review of our petition sent to the Board to reconsider the Directive for our facility to add a monitoring well.

We were quoted the investment of a monitoring well will be about \$40,000. If the stay is not granted, we cannot meet the financial investment the installation of a monitoring well will incur on our facility and we will have to make a decision regarding whether or not to continue our business. We rent the facility and our landlords are unable to financially invest in a monitoring well. We will have to look for a job, sell at a loss everything we own, and lose our home. My family has a vested interest in continuing in the dairy business and has struggled to make ends meet from day to day. We have 4 families who rely on the income of our facility to support them. During these difficult economic times the job availability is limited.

We believe there will be no substantial harm to other interested persons and the public interest if the stay is granted. We are working towards full compliance with the order. We do not discharge or negligently endanger the quality of the groundwater on our facility.

We have sampled our wells and fall below the guidelines in the Order. The deciding factor to place our facility on the list to install monitoring wells showed the NMP was not

completed. We are challenging the addition of the 100 points prior to the 2 years deadline of July 1, 2009. We feel the July 1, 2009 is the deadline to submit the NMP. When I had submitted the report last year, I believed I had submitted the NMP along with it. I hired a company to perform this service for us. They provided us a Sampling Analysis Plan, which I believed was the NMP. During the report process, the person we were working with quit. Again, I believed all this was completed. When we received a visit from the Board, a representative explained to us this was not the NMP and we had not submitted the NMP. We were shocked, but we took it in stride and had the NMP completed. We have completed the NMP prior to this reporting on July 1, 2010.

We are requesting a stay of action pending the decision of our petition.

I, under penalty of perjury , acknowledge the above statements to be true to the best of my knowledge.

Sincerely,

A handwritten signature in cursive script, appearing to read "Maria G. Azevedo".

Maria G. Azevedo
Agent

Enclosure (4)



Linda S. Adams
Secretary for
Environmental
Protection

California Regional Water Quality Control Board Central Valley Region

Katherine Hart, Chair

11020 Sun Center Drive #200, Rancho Cordova, California 95670-6114
Phone (916) 464-3291 • FAX (916) 464-4645
<http://www.waterboards.ca.gov/centralvalley>



Arnold
Schwarzenegger
Governor

22 June 2010

CERTIFIED MAIL NO.
7007 0710 0004 3778 0386

Aldevino Azevedo
536 N Prairie Flower Rd
Turlock, CA 95380

GROUNDWATER MONITORING DIRECTIVE, ISSUED PURSUANT TO CALIFORNIA WATER CODE SECTION 13267, A & G AZEVEDO DAIRY, WDID 5B50NC00273, 536 N PRAIRIES FLOWER RD, TURLOCK, STANISLAUS COUNTY

You are legally obligated to respond to this Order. Please read this Order carefully.

Your dairy is regulated by the Waste Discharge Requirements General Order for Existing Milk Cow Dairies, Order R5-2007-0035 (General Order), which was issued by the Central Valley Regional Water Quality Control Board (Central Valley Water Board or Board) on 3 May 2007. Monitoring and Reporting Program Order R5-2007-0035 (MRP) accompanies the General Order and contains requirements for implementing groundwater monitoring at your dairy. Under the MRP, the Executive Officer has the authority to order the installation of monitoring wells based on the threat that individual dairies pose to water quality.

You have been identified as the owner and/or operator of a dairy where, based on the factors listed in the MRP, Attachment A, Table 5 (Groundwater Monitoring Factors for Ranking Priority), it is appropriate for the Executive Officer to order the installation of additional monitoring wells to address the threat to water quality at the facility. Attachment A (Additional Groundwater Monitoring, Monitoring Well Installation and Sampling Plan and Monitoring Well Installation Completion Report for Milk Cow Dairies) is enclosed for your convenience.

The Executive Officer finds that:

1. You are the owner and/or operator of a dairy regulated under the General Order. A completed Table 5, which is a tool contained in the MRP that is used by the Board to assess the threat that a dairy poses to groundwater, is attached to this Order, along with the ranking priority scores. This table indicates a total score of 150 points for your facility. This score identifies your facility as a priority site, which means that your facility will be directed to install monitoring wells.
2. The MRP, and this subsequent directive, are issued pursuant to California Water Code section 13267, which states, in relevant part:
 - (a) A regional board ... may investigate the quality of any waters of the state within its region.
 - (b)(1) In conducting an investigation specified in subdivision (a), the regional board may require that any person who has discharged, discharges, or is suspected of having

California Environmental Protection Agency

discharged or discharging, or who proposes to discharge waste within its region ... shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires. The burden, including costs, of these reports shall bear a reasonable relationship to the need for the report and the benefits to be obtained from the reports. In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports, and shall identify the evidence that supports requiring that person to provide the reports.

3. The Board adopted the *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fourth Edition, revised September 2009 (Basin Plan), which designates beneficial uses of water. All groundwater within the vicinity of the site is designated as having a beneficial use of municipal and domestic water supply (MUN) and agricultural supply (AGR).
4. Dairy waste constituents (primarily nitrogen and salts), when released to groundwater, are a significant threat to the beneficial uses of MUN and AGR.
5. The Board has evaluated your facility and has concluded that it has discharged, or is suspected of having discharged, dairy waste constituents that could affect the quality of groundwater designated MUN or AGR. An investigation to assess whether the Dairy has impacted groundwater quality is reasonable and appropriate. The cost of the technical reports is justified by the fact that these reports will allow the Central Valley Water Board to assess whether current regulatory measures are protective of groundwater beneath dairy facilities.
6. Semi-Annual Groundwater Monitoring Reports are technical reports that present groundwater data collected in accordance with the MRP. These reports must include an evaluation of data to assess the impact of the dairy on groundwater quality.
7. Monitoring and Reporting Program R5-2007-0035 states, in relevant part, the following:

A: Additional Groundwater Monitoring

1. When ordered by the Executive Officer, the Discharger shall install sufficient monitoring wells to:
 - a. Characterize groundwater flow direction and gradient beneath the site;
 - b. Characterize natural background (unaffected by your dairy or other discharges) groundwater quality upgradient of the facility; and
 - c. Characterize groundwater quality downgradient of the corrals, downgradient of the wastewater retention pond(s), and downgradient of the land application areas.
- ...
3. Prior to installation of wells, the Discharger shall submit to the Executive Officer a Monitoring Well Installation and Sampling Plan (MWISP) (see *MRP Attachment A, Subsection B: Monitoring Well Installation and Sampling Plan*) and schedule prepared by, or under the direct supervision of, and certified by, a California registered civil engineer or a California registered geologist with experience in hydrogeology. Installation of monitoring wells shall not begin until the Executive Officer notifies the Discharger in writing that the MWISP is acceptable. At a

minimum, the MWISP must contain the information requested in Attachment A of the MRP.

7. Within 45 days after completion of any monitoring well, the Discharger shall submit to the Executive Officer a Monitoring Well Installation Completion Report (MWICR) (see *MRP Attachment A, Subsection C: Monitoring Well Installation Completion Report*) prepared by, or under the direct supervision of, and certified by, a California registered civil engineer or a California registered geologist with experience in hydrogeology.
8. Following installation of the groundwater monitoring wells, groundwater data must be collected and semi-annual groundwater monitoring reports submitted in accordance with the MRP.

It is hereby Ordered that, pursuant to CWC section 13267,

1. By **30 September 2010**, you must submit an acceptable MWISP that contains the minimum information required by Attachment A of the MRP to allow the collection of data that will identify whether your dairy is impacting groundwater quality. Installation of the monitoring wells shall not begin until the Executive Officer notifies you in writing that the MWISP is acceptable.
2. By **135 calendar days after notification that your MWISP is acceptable**, you must have installed the accepted monitoring well system and submitted an acceptable MWICR. The MWICR must contain, at a minimum, the information required by Attachment A of the MRP.
3. Each well within the monitoring well system must be sampled semi-annually (twice per year) for field measurements of electrical conductivity and pH, and laboratory analysis must be conducted for nitrate and ammonium. Depth to groundwater is to be measured in each monitoring well prior to purging the well for each sampling event. During the first semi-annual event, and every five years thereafter, groundwater samples from each well shall also be analyzed in the laboratory for calcium, magnesium, sodium, bicarbonate, carbonate, sulfate, chloride, and potassium.⁷ Groundwater monitoring reports are to be submitted within 60 days of groundwater sample collection. The groundwater monitoring reports are to contain a detailed description of how the data were collected, copies of laboratory reports, a tabulated summary of the data, and an evaluation of whether the dairy has impacted groundwater.
4. All technical reports are to be signed and stamped by a California Professional Engineer (Registered as a Civil Engineer) or Professional Geologist experienced in performing groundwater assessments. All laboratory analyses are to be performed by an analytical laboratory certified by the State of California for the analyses performed.

⁷ Sampling for Potassium was not included in the original MRP. However, because discharges of this constituent, which is typically found in dairy waste, may be critical in identifying groundwater impacted by dairy wastes, it is appropriate to include sampling for this constituent.

The failure to furnish any of the required reports, or the submittal of substantially incomplete reports or false information, is a misdemeanor, and may result in additional enforcement actions being taken against you, including issuance of an Administrative Civil Liability (ACL) Complaint pursuant to CWC section 13268. Liability may be imposed pursuant to CWC section 13268 in an amount not to exceed one thousand dollars (\$1,000) for each day in which the violation occurs.

Any person aggrieved by this action of the Central Valley Water Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with CWC section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of this Order, except that if the thirtieth day following the date of this Order falls on a Saturday, Sunday, or state holiday (including mandatory furlough days), the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet at:

http://www.waterboards.ca.gov/public_notices/petitions/water_quality
or will be provided upon request.

If you have any questions regarding this matter, please contact Charlene Herbst of this office at (916) 464-4724 or at cherbst@waterboards.ca.gov.

Fredrick L. Moss

cc
Pamela C. Creedon
Executive Officer

Enclosure: Completed Score Sheet from MRP Attachment A: Additional Groundwater Monitoring, Monitoring Well Installation And Sampling Plan And Monitoring Well Installation Completion Report For Existing Milk Cow Dairies

cc: (w/o Enclosure)
Mr. John Menke, State Water Resources Control Board, Sacramento

Monitoring and Reporting Program No. R5-2007-0035
Attachment A
Existing Milk Cow Dairies

MRP-17

A+6 Azevedo
536 N. Prairie Flower

TABLE 5. GROUNDWATER MONITORING FACTORS FOR RANKING PRIORITY¹

FACTOR	SITE CONDITION	POINTS	SCORE
Highest nitrate concentration (nitrate-nitrogen in mg/l) in any existing domestic well, agricultural supply well, or subsurface (tile) drainage system at the dairy or associated land application area.*	< 10	0	0
	10 - 20	10	
	>20	20	
Location of production area or land application area relative to a Department of Pesticide Groundwater Protection Area ² (GWPA).	Outside GWPA	0	20
	In GWPA	20	
Distance (feet) of production area or land application area from an artificial recharge area ³ as identified in the California Department of Water Resources Bulletin 118 or by the Executive Officer.	> 1,500	0	0
	601 to 1,500	10	
	0 to 600	20	
Nitrate concentration (nitrate-nitrogen in mg/l) in domestic well on property adjacent to the dairy production area or land application area (detected two or more times).	< 10 or unknown	0	0
	10 or greater	20	
Distance (feet) from dairy production area or land application area and the nearest off-property domestic well.*	> 600	0	20
	301 to 600	10	
	0 to 300	20	
Distance (feet) from dairy production area or land application area and the nearest off-property municipal well.*	> 1,500	0	0
	601 to 1,500	10	
	0 to 600	20	
Number of crops grown per year per field.*	1	5	10
	2	10	
	3	15	
Nutrient Management Plan completed by 1 July 2009*	Yes	0	100
	No	100	
Whole Farm Nitrogen Balance. ^{4*}	<1.65	0	0
	1.65 to 3	10	
	>3	20	

Total Score: 150

*This information will be provided by the Discharger. All other information will be obtained by the Executive Officer.

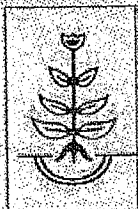
After 24 months, 100 points will be added if the preparation or implementation of the nutrient management plan is behind schedule.

¹ Information on each factor may not be available for each facility. Total scores will be the ratio of the points accumulated to the total points possible for each facility. Dairies with higher total scores will be directed to install monitoring wells first.

² The Department of Pesticide Regulation (DPR) defines a Groundwater Protection Area (GWPA) as an area of land that is vulnerable to the movement of pesticides to groundwater according to either leaching or runoff processes. These areas include areas where the depth to groundwater is 70 feet or less. The DPR GWPA's can be seen on DPR's website at <http://www.cdpr.ca.gov/docs/gwp/gwpamaps.htm>.

³ An artificial recharge area is defined as an area where the addition of water to an aquifer is by human activity, such as putting surface water into dug or constructed spreading basins or injecting water through wells.

⁴ The Whole Farm Nitrogen Balance is to be determined as the ratio of (total nitrogen in storage – total nitrogen exported + nitrogen imported + irrigation nitrogen + atmospheric nitrogen)/(total nitrogen removed by crops) as reported in the Preliminary Dairy Facility Assessment in the Existing Conditions Report (Attachment A).



DENELE ANALYTICAL, INC.

1232 South Ave. • Turlock, CA 95380 • Ph. (209) 634-9055 • Fax (209) 634-9057 • www.denelelab.com

DAIRY COMPLIANCE ANALYSIS REPORT

Customer/Results To:
A & G Azevedo Dairy
536 N Prairie Flower Rd
Turlock, CA
95380

Grower
A & G Azevedo Dairy
536 N Prairie Flower Rd
Turlock, CA
95380

PURCHASE ORDER: NA
RECEIVED DATE: 12/29/2009 12:30:12 PM
SUBMITTED BY: Marlene Azevedo
ANALYZED DATE: 12/30/2009

Domestic / Ag Wells (H1)
SOURCE: Well Water

Customer Sample	Lab ID	Analyte	Method Ref	Amount	Units
Dairy	09120254A	Electrical Conductivity	EPA 120.1	0.246	mmhos/cm
		Nitrate Nitrogen	SM 4500 NO3-D	0.591	mg/L

Laboratory Quality Control	LCS %	MS %	MSD %	MS/MSD RPD %
Nitrate Nitrogen (NO3-N)	102	105	107	1.88

The warranty of Denele Analytical is limited to the accuracy of the analyses of the samples as received. Denele Analytical assumes no responsibility for which the customer uses our test results, nor liability for any other warranties, expressed or implied. These terms and conditions shall supercede any conflicting terms and conditions submitted on customer purchase orders or other forms submitted for work.

SAMPLING AND ANALYSIS PLAN FOR NUTRIENT MANAGEMENT

FOR EXISTING MILK COW DAIRIES UNDER WASTE DISCHARGE REQUIREMENTS GENERAL ORDER NO. R5-2007-0035

PART I. DAIRY FACILITY INFORMATION

Name of Dairy or Business Operating the Dairy: A&G Azevedo Dairy

Physical Address of Dairy: 536 N. Prairie Flower Rd. Turlock Stanislaus 95380
Number & Street City County Zip

PART II. DOCUMENTATION OF QUALIFICATIONS AND PLAN DEVELOPEMENT

I certify that I meet the requirements as a certified specialist in developing Nutrient Management Plans as described in Attachment C of the Waste Discharge Requirements General Order No. R5-2007-0035 and that I prepared the Sample and Analysis Plan.

CERTIFIED CROP ADVISOR #34418

QUALIFICATIONS OF CERTIFIED NUTRIENT MANAGEMENT SPECIALIST

Paul Sousa 12-8-08
SIGNATURE OF TRAINED PROFESSIONAL DATE

PAUL SOUSA

PRINT OR TYPE NAME

1315 "K" STREET, MODESTO CALIFORNIA 95354

MAILING ADDRESS

(209) 527-6453

psousawud@yahoo.com

PHONE NUMBER

E-MAIL ADDRESS

PART III. OWNER AND/OR OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information and all attachments submitted in this document and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE OF OWNER

SIGNATURE OF OPERATOR

PRINT OR TYPE NAME

PRINT OR TYPE NAME

DATE

DATE

AK

SAMPLING AND ANALYSIS PLAN FOR NUTRIENT MANAGEMENT

MANURE SAMPLING AND ANALYSIS PLAN				
Minimum Sampling Frequency	Sampling Method	Source Description (pond, corral, separator, or settling basin solids, or other)	Minimum Analyses	
			Field	Laboratory
Each application to each land application area	For laboratory analyses: One composite sample from each source (corrals, settling basin solids, separator solids, etc.) per "Approved Sampling Procedures for Nutrient and Groundwater Monitoring at Existing Milk Cow Dairies" For field measurement: Scaled weight by the truckload	MILK COW CORRALS DRY COW CORRALS LAGOON SOLIDS	Total weight (tons) applied	Percent Moisture
Once within 12 months	For laboratory analyses: One composite sample from each source per "Approved Sampling Procedures for Nutrient and Groundwater Monitoring at Existing Milk Cow Dairies"	MILK COW CORRALS DRY COW CORRALS LAGOON SOLIDS	None required	General minerals, including: calcium, magnesium, sodium, bicarbonate, carbonate, sulfate, and chloride
Twice per year	For laboratory analyses: One composite sample from each source per "Approved Sampling Procedures for Nutrient and Groundwater Monitoring at Existing Milk Cow Dairies"	MILK COW CORRALS DRY COW CORRALS LAGOON SOLIDS	None required	Total nitrogen, total phosphorus, potassium, and percent moisture
Each offsite export of manure- solid and/or slurry	For field measurement: Scaled weight by truckload For laboratory analyses: one composite sample for each source of manure loaded into truck for export	MILK COW CORRALS DRY COW CORRALS LAGOON SOLIDS	Total weight (tons) exported	Percent moisture (can be on farm if so equipped)
Annually	Total dry weight applied = annual sum of individual dry weight applications (weight applied X (1 - percent moisture)) to each field from corrals, settling basin solids, and separator solids. Total dry weight exported = annual sum of individual dry weight exports (weight exported X (1 - percent moisture)) from corrals, settling basin solids, and separator solids.	MILK COW CORRALS DRY COW CORRALS LAGOON SOLIDS	Total dry weight (tons) manure applied annually to each land application area, and total dry weight (tons) manure exported offsite annually	None required

SAMPLING AND ANALYSIS PLAN FOR NUTRIENT MANAGEMENT

PROCESS WASTEWATER SAMPLING AND ANALYSIS PLAN

Minimum Sampling Frequency	Sampling Method	Source Description (pond identification)	Minimum Analyses	
			Field	Laboratory
Each application	For each pond, record: Date of each application of process wastewater to each field and metered volume of each application to each land application area	Lagoon	Date applied and volume (gallons or acre-inches) applied	None required
Quarterly during one application event	For field measurement and laboratory analyses: For each pond used for irrigating, one composite sample where the subsamples are collected from the beginning, middle, and end of an irrigation or if not possible, from a sample collected from the lagoon near the outflow area or from the flush system per the "Approved Sampling Procedures for Nutrient and Groundwater Monitoring at Existing Milk Cow Dairies"	Lagoon	Electrical conductivity (can be done at laboratory)	Nitrate-nitrogen (only when pond is aerated), ammonium-nitrogen, total Kjeldahl nitrogen, total phosphorus, and potassium
Recommended: Monthly during times when lagoon water is regularly used	For each pond used to irrigate from, collect a sample as above	Lagoon	Ammonium-nitrogen (can be done in lab)	Total Kjeldahl Nitrogen
Once within 12 months and annually for two years after groundwater monitoring wells are required	For each pond used for irrigation, one composite sample as described above, per the "Approved Sampling Procedures for Nutrient and Groundwater Monitoring at Existing Milk Cow Dairies"	Lagoon	None required	General minerals, including: calcium, magnesium, sodium, bicarbonate, carbonate, sulfate, and chloride

SAMPLING AND ANALYSIS PLAN FOR NUTRIENT MANAGEMENT

SOIL SAMPLING AND ANALYSIS PLAN				
Minimum Sampling Frequency	Sampling Method	Source Description (soil sampling locations)	Minimum Analyses	
			Field	Laboratory
Once in summer of 2008 and then once every five years from each land application area	Per the "Approved Sampling Procedures for Nutrient and Groundwater Monitoring at Existing Milk Cow Dairies" and specifically: For each field: one composite sample consisting of 10 subsamples.	Field 2918 – 20.34 acres Field 713 – 19.6 acres Field 3140 – 18.1 acres Dairy Field – 40.07 acres	None required	0 to 1 foot: Total phosphorus
Strongly Recommended: Spring pre-plant for each crop	Per the "Approved Sampling Procedures for Nutrient and Groundwater Monitoring at Existing Milk Cow Dairies" and specifically: For each field of corn/forage: one composite sample consisting of 10 subsamples. For each field of alfalfa: For the initial planting only, one composite sample consisting of 10 subsamples.	Field 2918 – corn Field 713 – corn Field 3140 – corn Dairy Field – corn	None required	0 to 1 foot: Nitrate-nitrogen and organic matter (add electrical conductivity, soluble phosphorus and potassium if not doing fall sampling) 1 to 2 foot: Nitrate-nitrogen
Recommended: Fall pre-plant for each crop	Per the "Approved Sampling Procedures for Nutrient and Groundwater Monitoring at Existing Milk Cow Dairies" and specifically: For each field with an annual crop: one composite sample consisting of 10 subsamples.	Field 2918 – sudan/oats Field 713 – sudan/oats Field 3140 – sudan/oats Dairy Field – sudan/oats	None required	0 to 1 foot: Electrical conductivity, nitrate-nitrogen, soluble phosphorus, potassium, organic matter 1 to 2: Nitrate- nitrogen

SAMPLING AND ANALYSIS PLAN FOR NUTRIENT MANAGEMENT

PLANT TISSUE SAMPLING AND ANALYSIS PLAN				
Minimum Sampling Frequency	Sampling Method	Source Description (land application area)	Minimum Analyses	
			Field	Laboratory
At each harvest from each land application area	<p>For field measurement: Scaled weight by the truckload</p> <p>For each field: One composite sample consisting of a minimum of five subsamples from silage pile at the time of harvest or 10 subsamples out of the bales from each field</p> <p>All sampling performed per "Approved Sampling Procedures for Nutrient and Groundwater Monitoring at Existing Milk Cow Dairies"</p>	<p>Field 2918 -- corn/sudan/oats Field 713 -- corn/sudan/oats Field 3140 -- corn/sudan/oats Dairy Field -- corn/sudan/oats</p>	<p>Total weight (tons) harvested material removed from each land application area</p>	<p>Percent wet weight of harvested plant removed</p> <p>Total nitrogen, phosphorus, and potassium, expressed on a dry weight basis</p>
Mid-season, if necessary to assess need for additional nitrogen during the growing season (only if Discharger wants to add fertilizer in excess of 1.4 times the nitrogen expected to be removed by the harvested portion of the crop and only once the nutrient budget is completed)	<p>For each field: Representative sample collected per "Western Fertilizer Handbook" ninth addition.</p> <p>For pasture: One composite sample consisting of cuttings from 10 randomly selected one-square foot areas.</p> <p>All sampling performed per "Approved Sampling Procedures for Nutrient and Groundwater Monitoring at Existing Milk Cow Dairies"</p>	<p>Field 2918 -- corn/sudan/oats Field 713 -- corn/sudan/oats Field 3140 -- corn/sudan/oats Dairy Field -- corn/sudan/oats</p>	<p>None required</p>	<p>Total nitrogen, expressed on a dry weight basis</p>

SAMPLING AND ANALYSIS PLAN FOR NUTRIENT MANAGEMENT

IRRIGATION WATER SAMPLING AND ANALYSIS PLAN ¹				
Minimum Sampling Frequency	Sampling Method	Source Description (well or canal identification)	Minimum Analyses	
			Field	Laboratory
Each irrigation event for each land application area	Irrigation Wells -- flow rate multiplied by run time or flow meter reading. Canal Water -- meter or Irrigation District's billing statement of use.	CANAL WATER	Volume (gallons or acre-inches) ² applied and date applied	None required
One irrigation event within the calendar year during an actual irrigation -- for each irrigation water source (wells and canal water)	Once per irrigation season: All Irrigation Wells and Canal Water - per "Approved Sampling Procedures for Nutrient and Groundwater Monitoring at Existing Milk Cow Dairies" Canal Water -- irrigation district data if available otherwise sample	CANAL WATER	None required	Electrical conductivity and nitrate-nitrogen ³ Data collected to satisfy the groundwater monitoring requirements will satisfy this requirement for irrigation wells

¹ Irrigation water from each well source and canal that is used on all land application areas are to be monitored.

² Initial volume measurements may be the total volume for all land application areas. Actual volume measurements for each irrigation source for each land application area are to be recorded no later than July 1, 2011.

³ In lieu of sampling the irrigation water, the Discharger may provide equivalent data from the local irrigation district.

Nutrient Management Plan Report
General Order No. R5-2007-0035, Attachment C
July 1, 2009 deadline

SAMPLING AND ANALYSIS PLAN CERTIFICATION

A. DAIRY FACILITY INFORMATION

Name of dairy or business operating the dairy: A & G Azevedo Dairy

Physical address of dairy:

536 N Prairie Flower RD

Turlock

Stanislaus

95380

Physical Address Number and Street

City

County

Zip Code

Street and nearest cross street (if no address): _____

B. DOCUMENTATION OF QUALIFICATIONS AND PLAN DEVELOPMENT

I certify that I meet the requirements as a certified specialist in developing nutrient management plans as described in Attachment C of Waste Discharge Requirements General Order No. R5-2007-0035 and that I prepared the Sampling and Analysis plan.

Agronomist Certificate #10602

TITLE/QUALIFICATIONS OF CERTIFIED NUTRIENT MANAGEMENT SPECIALIST

Jon Schmidt

SIGNATURE OF TRAINED PROFESSIONAL

06-30-10

DATE

Jon Schmidt

PRINT OR TYPE NAME

1490 N Buhach RD, Atwater, CA 95301

MAILING ADDRESS

(209) 386-3695

PHONE NUMBER

C. OWNER AND/OR OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Dana Dulaney

SIGNATURE OF OWNER OF FACILITY

Aldevino B Azevedo

SIGNATURE OF OPERATOR OF FACILITY

Dana L Dulaney

PRINT OR TYPE NAME

Aldevino B Azevedo

PRINT OR TYPE NAME

7-1-10

DATE

06-30-10

DATE

Nutrient Management Plan Report
General Order No. R5-2007-0035, Attachment C
July 1, 2009 deadline

NUTRIENT BUDGET CERTIFICATION

A. DAIRY FACILITY INFORMATION

Name of dairy or business operating the dairy: A & G Azevedo Dairy

Physical address of dairy:

536 N Prairie Flower RD

Turlock

Stanislaus

95380

Number and Street

City

County

Zip Code

Street and nearest cross street (if no address): _____

B. DOCUMENTATION OF QUALIFICATIONS AND PLAN DEVELOPMENT

I certify that I meet the requirements as a certified specialist in developing nutrient management plans as described in Attachment C of Waste Discharge Requirements General Order No. R5-2007-0035 and that I prepared the Nutrient Budget plan.

Agronomist Certificate #10602

TITLE/QUALIFICATIONS OF CERTIFIED NUTRIENT MANAGEMENT SPECIALIST

Jon Schmidt
SIGNATURE OF TRAINED PROFESSIONAL

06-30-10

Aldevino B Azevedo
DATE

Jon Schmidt

PRINT OR TYPE NAME

1490 N Buhach RD; Atwater, CA 95301

MAILING ADDRESS

(209) 386-3695

PHONE NUMBER

C. OWNER AND/OR OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Dana L Dulaney
SIGNATURE OF OWNER OF FACILITY

Aldevino B Azevedo
SIGNATURE OF OPERATOR OF FACILITY

Dana L Dulaney

PRINT OR TYPE NAME

Aldevino B Azevedo

PRINT OR TYPE NAME

7-1-10
DATE

06-30-10
DATE

Nutrient Management Plan Report
General Order No. R5-2007-0035, Attachment C
July 1, 2009 deadline

STATEMENTS OF COMPLETION

Waste Discharge Requirements General Order No. R5-2007-0035 for Existing Milk Cow Dairies (General Order) requires owners and operators of existing milk cow dairies (Dischargers) to develop and implement a Nutrient Management Plan for their land application areas (land under control of the Discharger, whether it is owned, rented, or leased, to which manure or process wastewater from the production area is or may be applied for nutrient cycling). The Discharger is required to maintain the NMP at the dairy, make the NMP available to Central Valley Water Board staff during their inspections, and submit the NMP to the Executive Officer upon request.

The General Order requires the Discharger to submit two Statements of Completion during development of the NMP. The Discharger may use this form to comply with the General Order requirement to submit one or both of these Statements of Completion. Parts A and E must be completed for each Statement of Completion. Parts B, C and D are to be completed for the Statements of Completion due by 1 July 2008, 31 December 2008 and 1 July 2009, respectively. Both the owner and the operator of the dairy must sign this form in Part E below.

A. DAIRY FACILITY INFORMATION

Name of dairy or business operating the dairy: A & G Azevedo Dairy

<u>536 N Prairie Flower RD</u>	<u>Turlock</u>	<u>Stanislaus</u>	<u>95380</u>
Number and Street	City	County	Zip Code

Street and nearest cross street (if no address): _____

Operator name: Azevedo, Aldevino B

Telephone no.: (209) 669-8365

Landline Cellular

<u>536 N Prairie Flower RD</u>	<u>Turlock</u>	<u>CA</u>	<u>95380</u>
Mailing Address Number and Street	City	State	Zip Code

Legal owner name: Dulaney, Dana L

Telephone no.: (209) 634-1741

Landline Cellular

<u>513 N Prairie Flower RD</u>	<u>Turlock</u>	<u>CA</u>	<u>95380</u>
Mailing Address Number and Street	City	State	Zip Code

Nutrient Management Plan Report
General Order No. R5-2007-0035, Attachment C
July 1, 2009 deadline

B. STATEMENT OF COMPLETION DUE 1 JULY 2008

I have completed the following items of the Nutrient Management Plan (check the boxes of completed sections), which are due 1 July 2008:

- ☐ **Item I.A.1 Land Application Information**
Identification of land used for manure application and needed information on a facility map.
- ☐ **Item I.B Land Application Information**
Information list for information provided on map above.
- ☐ **Item I.C Land Application Information**
Copies of written third-party process wastewater agreements.
- ☐ **Item I.D Land Application Information**
Identification of fields under control of the discharger within five miles of the dairy where neither process wastewater nor manure is applied.
- ☐ **Item II Sampling and Analysis Plan**
- ☐ **Item IV Setbacks, Buffers, and Other Alternatives to Protect Surface Water**
Identification of all potential surface waters or conduits to surface waters within 100 feet of land application areas and appropriate protection.
- ☐ **Item VI Record-Keeping Requirements**
Identification of monitoring records that will be maintained as required in the production and land application areas.

Has Item II (Sampling and Analysis Plan) of the Nutrient Management Plan been certified by a Certified Nutrient Management Specialist as required in the General Order?

☐ Yes ☐ No

C. STATEMENT OF COMPLETION DUE 31 DECEMBER 2008

I have completed the following items of the Nutrient Management Plan (check the boxes of completed sections), which are due 31 December 2008:

- ☐ **Item V Field Risk Assessment**
Evaluation of the effectiveness of management practices used to control the discharge of waste constituents from land application areas by assessing the water quality monitoring results of discharges of manure, process wastewater, tailwater, subsurface (tile) drainage, or storm water from the land application areas.

D. STATEMENT OF COMPLETION DUE 1 JULY 2009

I have completed the following items of the Nutrient Management Plan (check the boxes of completed sections), which are due 1 July 2009:

- ☒ **Item I.A.2 Land Application Area Information**
Identification of process wastewater conveyance, mixing and drainage information for each land application area on a facility map.
- ☒ **Item III Nutrient Budget**
Established planned rates of nutrient applications by crop based on nutrient monitoring results for each land application area.

Has Item III (Nutrient Budget) of the Nutrient Management Plan been certified by a Certified Nutrient Management Specialist as required in the General Order?

☒ Yes ☐ No

Nutrient Management Plan Report
General Order No. R5-2007-0035, Attachment C
July 1, 2009 deadline

E. CERTIFICATION STATEMENT

I certify under penalty of law that I have completed the items of the Nutrient Management Plan that are checked in Parts B, C and/or D above for the dairy identified in Part A above and that the appropriate certified nutrient management specialist has certified the items requiring such certification as noted in part B and/or D above and that I have personally examined and am familiar with the information submitted in Parts A, B, C and D of this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Dana Dulaney
SIGNATURE OF OWNER OF FACILITY

Dana L Dulaney

PRINT OR TYPE NAME

7-1-10
DATE

Aldevino B Azevedo
SIGNATURE OF OPERATOR OF FACILITY

Aldevino B Azevedo

PRINT OR TYPE NAME

06-30-10
DATE